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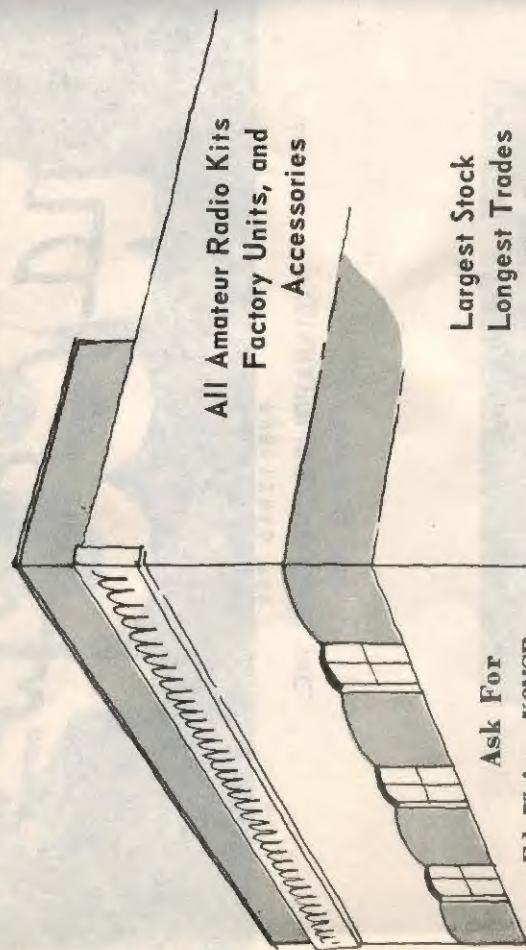


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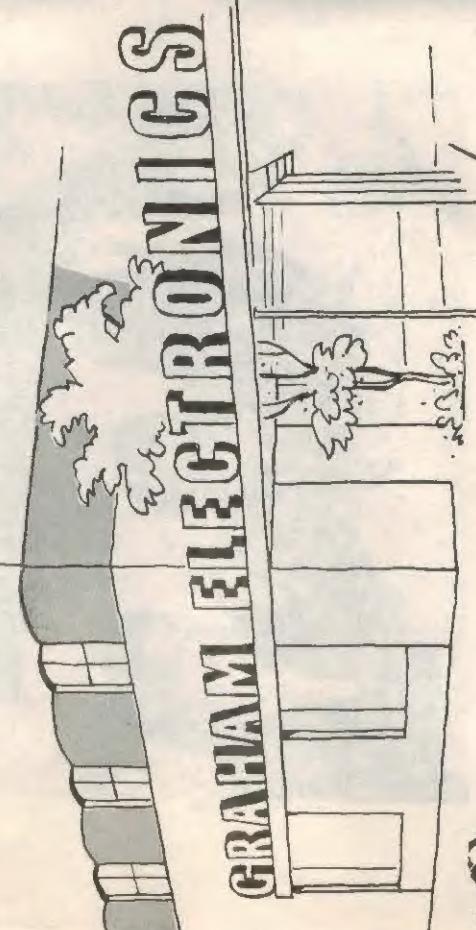
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Ama-Chewer is published monthly for the Indianapolis Radio Club, Inc., and all amateurs in the Indianapolis area. Non-members may subscribe for \$1.50 a year.

Publication is on the THIRD Friday of each month with all news items and ads due no later than the FIRST Friday.

Ham Ads (5 line limit) are free to members and subscribers. Others may submit ads for 50¢ each.

Ama-Chewer welcomes the forwarding of information on the coming events and activities of other clubs for publication. Send direct to Editor.

Exchange program free with other Amateur Radio Clubs. Contents may be copied if proper credit given. A.R.N.S.

To go along with Mr. ZIP, we now have the latest thing  
in addressing.

20 YEARS AGO

March 1947 by Bob Caskey W9DNQ

#### TWO LETTER STATE ABBREVIATIONS

AL	Ale beans	MT	Montana
AK	Alaska	NB	Nebraska
AZ	Arizona	NY	Veveda
AR	Akansas	NH	New Hampshire
CA	California	NJ	New Jersey
CO	Colorado	NM	New Mexico
CT	Connecticut	NY	New York
DE	De lauare	NC	North Carolina
DC	Distr. of Col.	ND	North Dakota
FL	Florida	OH	Ohio
GA	Georgia	OK	Oklahoma
GU	Guan	OR	Oregon
HI	Hawaii	PA	Pennsylvania
ID	Idaho	PR	Puerto Rico
IL	Illinois	RI	Rhode Island
IN	Indiana	SC	South Carolina
IA	Iowa	SD	South Dakota
KS	Kansas	TN	Tennessee
KY	Kentucky	TX	Texas
LA	Louisiana	UT	Utah
ME	Maine	VT	Vermont
MD	Maryland	VA	Virginia
MA	Massachusetts	VI	Virgin Islands
MI	Michigan	WA	Washington
MN	Minnesota	WV	West Virginia
MS	Mississippi	WI	Wisconsin
MO	Missouri	WY	Wyoming

#### 'Bulletin' of Amateur Radio News Service

Paul Nelson W9BHC, had received a microphone for Christmas and was being needled as to when he was to build up something in order to use it. Paul, as well as the following had sent in requests to ARRL for OLD TIMERS certificates:- Bill Luet W9DSC; Bob Caskey W9LNQ; D. J. Angus W9CYQ; Doc Ferguson W9APG; Lon Webb W9EJH; Jim Daily W9CJQ. What does that make them now? Old Old Timers? - Time does take its toll, because of the above - CJQ, FJH and CJQ are silent keys.

One Eastsider was quoted as offering BEER and SANDWICHES for help in getting up a fifty foot tower, but was not named for fear of causing a stampede.

letter received March 18th (only 2 days via Air Mail)

March 16, 1967

Thursday

The Indiana School for the Blind Radio Club is still meeting each Wednesday night and giving instruction to prospective members out at the school. Business meetings are held the 2nd and Wednesday of each month during the school term. Supporting memberships are being accepted and your membership number can be passed to Certificate Hunters who have to list at least one Blind School Club member to qualify them for the certificate put out by the club. It is called HIBAA (Help Indiana Blind Amateur Award). So, if you are asked, in case you are not a certificate hunter yourself, be sure to pass along your membership number if you belong. Dues are \$1 a year and this is used to buy much needed equipment and supplies to keep W9JPF on the air as well as materials used in sending out QSL cards and the like. Through the generosity of several donors, the club soon will have a Mosely Classic 33 Base on 10, 15 and 20. Another donor has made it possible to get some badly needed hand tools, soldering gun, screwdrivers, pliers, etc. We are certainly grateful to these larger donors, but would like the support of still more who by your interest in these handicapped, give a boost to their morale.

One girl student has her application in for her Novice test and we feel sure that she will soon have a license. Also waiting for her Novice test papers is Mrs. Anne Lucas the wife of Ken Lucas WA4WIV/9, a new teacher at the school this year. He has been named club sponsor and is doing a very fine job of instruction as well as being on hand to answer questions during school time for those showing an interest in ham radio. This is the first time that the school has been able to name a sponsor to help in this extra-curricular activity, and by being on hand to explain and demonstrate ham radio, he is able to keep up the interest.

de Bob Caskey W9DNQ

\*

INDIANA RADIO CLUB COUNCIL SPRING MEETING 2/APRIL '67  
Butler University Atherton Hall - informal session 10AM

Business Meeting 1:00 PM - John Jones W9FZW Chairman

"Field Day Contest" "Outstanding Amateur of the Year"

"HAMFEST" Fall election and other items to be discussed

Greetings from Deutsch-land to you and all IRC members. When I think back, it seems like a long time since I last attended a club meeting. Unable to attend, I now try to keep up to date with the activities by means of the "Am-Chever". When I return home, I hope to again resume my Amateur Radio activity as before. I have the 'bug' for getting on the air here however, it does not look to favor able at the present time.

There are numerous MARS stations around Germany, although I have found none in my local area. At this present time, I am attending a Radio Telephone school here in Frankfurt.

Just recently I had the opportunity to listen to the 10-15-20 meter bands, being curious as to the band conditions. The time was 4:00 PM (1500Z) here. I was listening with the R-392, the Army version of an old model Collins receiver I understand. After listening a short time on each band it was determined that 15 meters was the only band open. Then I thought the reason being that 10 meters seemed to be dead was due to no activity. Knowing that the C. B. (cerial box toppers) boys are on the air at all hours, I made a fast check of the 11 meter C. B. band. Well, low and behold, there was plenty of activity. With the low power they SUPPOSEDLY run, I was quite surprised. Are you guys going to let band conditions like that just slip past un-noticed? Well, get the antennas tuned and transmitters fired up, 10 meters should be hopping!

I hope to attend the meeting in May while on leave.  
See you then -

73,  
Bill K9YDO/DL4

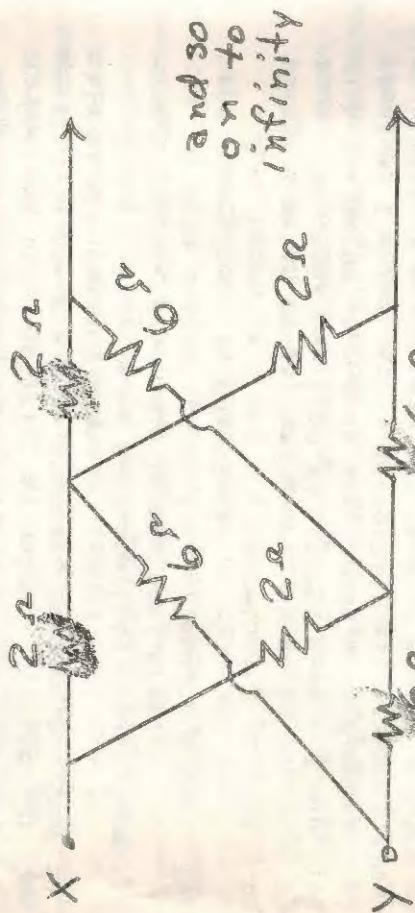
PPC Wm. T. Akin Jr  
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## NOODLE NUDGER

Answer to last month's puzzle. The resistors in the diagrams are called by their functional names:- R1 Cathode resistor, R2 Grid leak, R3 Current limiter, R4 Bleeder, R5 Multiplier, R6 Shunt, R7 Isolating resistor, R8 Volume control, R9 Swamping and R10 Voltage divider.  
NO ANSWERS OFFERED FOR THIS QUIZ.

### This Month's PUZZLE:

What is the resistance between X and Y in the circuit below?



OFFICIAL BULLETIN NR 102 from ARRL, MARCH 2, 1967

Among the many operating aids available without charge from ARRL are the following, all designed to aid your operating effectiveness: Pointers for Good Operating, WAS map and card record, net directory, phonetic alphabet, ending signals, RST system, DX code, contest QSO record, safety code, ARRL DXCC Countries List, QN Signals for c.w. net operation and GMT time conversion card. Any or all of these are available from ARRL Communications Department, 225 Main Street, Newington, Connecticut 06111. Be sure to include your ZIP code with your mailing address.

\*

Feb. 10th - Jerry Lucas WQAPJ gave a very interesting talk and demonstration on the HOW and WHY of meters. He even built a meter movement "right before our very eyes". The Editor is still trying to solve the problem of the proper resistor to make a 1.0 Amp meter read 5.0 Amp.

Feb. 24th - Art Schultz W9NNX, gave us a program on space communication, and explained that the power density of a signal is equal to the power divided by the bandwidth. Since the amount of information that can be sent is directly proportional to the bandwidth, more power is necessary to send more information. He stated that the Mariner could send back only 8 1/3 bits of information per second. More power in a missile is not easily come by due to limitations in weight, room, and difficulty in getting rid of heat in space.

Art also explained how difficult it was to obtain antenna gain due to problems in maintaining alignment from an unstable missile, and inability to aim the antenna without affecting the course of the missile. He stated that a careful choice of frequencies was necessary because of the absorption of certain frequencies throughout the spectrum.

\*  
Art left us with the impression that space communication was well nigh impossible, and that some entirely new system of communication was almost a necessity.

## PROGRAM REVIEW

April 14 - Everyone bring your FINEST PRIZED, CHOICEST, HARDEST TO GET, LONGEST AWAITED OR MOST UNUSUAL QSL Card to the meeting and we will see how the 'experts' get the hard ones.

April 28 - Hank Wolfe K9LJJ - Antenna

May 12 - HOME BREW NIGHT

May 26 - WPM Color Studio TOUR

If, yes, IF YOU haven't paid your Indianapolis Radio Club 1967 DUES by the time the APRIL "Am-Chever" is ready to be mailed, - YOU, yes, YOU will not receive a copy. DUES only \$4.00 - Subscription \$1.50 payable to Indianapolis Radio Club, Inc., mailed to Al Minnick

June 9 - Mr. Paul Markusfeld, manufacturers agent for Leslie Devos, will present a program on "Amphenol Connectors and Switching Devices - Their Use in RF Circuits".

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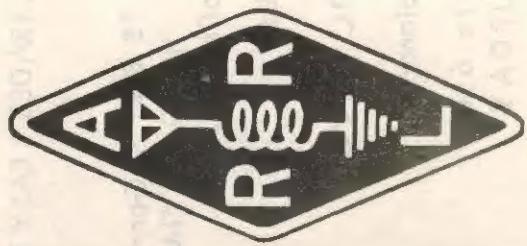
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